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SUGHRUE, MION, ZINN, MACPEAK & SEAS  
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WASHINGTON, DC 20037-3202

**NOTICE OF ALLOWANCE  
AND ISSUE FEE DUE**

- Note attached communication from the Examiner
- This notice is issued in view of applicant's communication filed \_\_\_\_\_

SERIES CODE/SERIAL NO.	FILING DATE	TOTAL CLAIMS	EXAMINER AND GROUP ART UNIT	DATE MAILED
07/344,627	04/28/89	049	DOYLE, J 332	07/30/90
First Named Applicant <b>ABRAHAMSON,</b>		A. LOUIS		

TITLE OF INVENTION **ELECTRONIC CLASSROOM SYSTEM ENABLING INTERACTIVE SELF-PACED LEARNING**

	ATTY'S DOCKET NO.	CLASS-SUBCLASS	BATCH NO.	APPLN. TYPE	SMALL ENTITY	FEE DUE	DATE DUE
3	A5495	434-322.000	H48	UTILITY	YES	\$310.00	10/30/90

**THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED.**

**THE ISSUE FEE MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED.**

**HOW TO RESPOND TO THIS NOTICE:**

I. Review the SMALL ENTITY Status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

- A. If the Status is changed, pay twice the amount of the FEE DUE shown above and notify the Patent and Trademark Office of the change in status, or
- B. If the Status is the same, pay the FEE DUE shown above.

If the SMALL ENTITY is shown as NO:

- A. Pay FEE DUE shown above, or
- B. File verified statement of Small Entity Status before, or with, payment of 1/2 the FEE DUE shown above.

II. Part B of this notice should be completed and returned to the Patent and Trademark Office (PTO) with your ISSUE FEE. Even if the ISSUE FEE has already been paid by a charge to deposit account, Part B should be completed and returned. If you are charging the ISSUE FEE to your deposit account, Part C of this notice should also be completed and returned.

III. All communications regarding this application must give series code (or filing date), serial number and batch number. Please direct all communications prior to issuance to Box ISSUE FEE unless advised to the contrary.

**IMPORTANT REMINDER: Patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees.**



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Washington, D.C. 20231

344627

*E. Culbert*

7-27-90

SERIAL NUMBER	FILING DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NO.
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07/344,627 04/28/89 ABRAHAMSON

A A5495 EXAMINER

SUGHRUE, MION, ZINN, MACPEAK & SEAS  
2100 PENNSYLVANIA AVE., N.W.  
WASHINGTON, DC 20037-3202

DOYLE, J  
ART UNIT PAPER NUMBER

332 8/A

DATE MAILED:  
07/30/90

NOTICE OF ALLOWABILITY

PART I.

- This communication is responsive to Amendment filed 4/25/90
- All the claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice Of Allowance And Issue Fee Due or other appropriate communication will be sent in due course.
- The allowed claims are 1-10, 14-23, 25-53
- The drawings filed on \_\_\_\_\_ are acceptable.
- Acknowledgment is made of the claim for priority under 35 U.S.C. 119. The certified copy has  been received.  not been received.  been filed in parent application Serial No. \_\_\_\_\_, filed on \_\_\_\_\_
- Note the attached Examiner's Amendment.
- Note the attached Examiner Interview Summary Record, PTOL-413.
- Note the attached Examiner's Statement of Reasons for Allowance.
- Note the attached NOTICE OF REFERENCES CITED, PTO-892.
- Note the attached INFORMATION DISCLOSURE CITATION, PTO-1449.

PART II.

A SHORTENED STATUTORY PERIOD FOR RESPONSE to comply with the requirements noted below is set to EXPIRE THREE MONTHS FROM THE "DATE MAILED" indicated on this form. Failure to timely comply will result in the ABANDONMENT of this application. Extensions of time may be obtained under the provisions of 37 CFR 1.136(a).

- Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL APPLICATION, PTO-152, which discloses that the oath or declaration is deficient. A SUBSTITUTE OATH OR DECLARATION IS REQUIRED.
- APPLICANT MUST MAKE THE DRAWING CHANGES INDICATED BELOW IN THE MANNER SET FORTH ON THE REVERSE SIDE OF THIS PAPER.
  - Drawing informalities are indicated on the NOTICE RE PATENT DRAWINGS, PTO-948, attached hereto or to Paper No. \_\_\_\_\_. CORRECTION IS REQUIRED.
  - The proposed drawing correction filed on \_\_\_\_\_ has been approved by the examiner. CORRECTION IS REQUIRED.
  - Approved drawing corrections are described by the examiner in the attached EXAMINER'S AMENDMENT. CORRECTION IS REQUIRED.
  - Formal drawings are now REQUIRED.

Any response to this letter should include in the upper right hand corner, the following information from the NOTICE OF ALLOWANCE AND ISSUE FEE DUE: ISSUE BATCH NUMBER, DATE OF THE NOTICE OF ALLOWANCE, AND SERIAL NUMBER.

Attachments:

- Examiner's Amendment
- Examiner Interview Summary Record, PTOL-413
- Reasons for Allowance
- Notice of References Cited, PTO-892
- Information Disclosure Citation, PTO-1449
- Notice of Informal Application, PTO-152
- Notice re Patent Drawings, PTO-948
- Listing of Bonded Draftsmen
- Other

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EXAMINER'S AMENDMENT/ REASONS FOR ALLOWANCE

An Examiner's Amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 C.F.R. § 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the Issue Fee.

Authorization for this Examiner's Amendment was given in a telephone interview with Mr. Frank Bernstein on July 24, 1990.

In claim 35, change "34" to --1--.

The following is an Examiner's Statement of Reasons for Allowance:

As pointed out by applicant, none of the prior art of record cited in the last office action discloses actual downloading of programs including student tasks to which students must respond to the student terminals. Taub et al. (International Application 8501854) and Laroche disclose broadly a classroom network comprising all the hardware necessary to download programs from the main computer to the student terminals. However, neither Taub nor Laroche suggests the downloading of programs comprising questions which the students must answer; they merely suggest downloading of information to the student terminals, without

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specifying what types of things are downloaded. Consequently, they also do not disclose analyzing of student responses by teachers. Systems such as those of Griffin, wherein the questions are orally communicated to the class by the teacher handed out on a sheet of paper, or Rohloff, wherein the questions may be orally communicated, written on a blackboard, projected on a screen or onto a classroom television for viewing by all students at once (the student stations of Rohloff and Griffin do not even comprise means to receive such questions electronically), do not provide the teachings which Taub and Laroche lack of downloading a question and answer type program to the student terminals and accepting responses by the students.

Any comments considered necessary by applicant must be submitted no later than the payment of the Issue Fee and, to avoid processing delays, should preferably accompany the Issue Fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication should be directed to Jennifer Doyle at telephone number (703) 557-3125.

*JD* 7/25/90  
JD  
July 25, 1990

*Robert Baehr*  
ROBERT BAHR  
PRIMARY EXAMINER  
ART UNIT 332